



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor	Ellison, Carl
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 1 of 2

Attorney Docket No: 42P08628

## US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date if Appropriate
--------------------	---------------------	------------------	---	-------	----------	----------------------------

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
ECF	EP-EP0892521	01/20/1999	Zamek, Steven			
	EP-EP0961193	12/01/1999	Laczko, Sr., Frank L.			
	EP-EP0965902	12/22/1999	Force, Gordon , et al.			
	EP-EP1055989	11/29/2000	Proudlar, Graeme J., et al.			
	EP-EP1056014	11/29/2000	Proudlar, Graeme J., et al.			
	EP-EP1085396	03/21/2001	Proudlar, Graeme J., et al.			
	WO-WO0021238	04/13/2000	Drews, Paul C.			
	WO-WO0163994	08/30/2001	Van Sant, Glen , et al.			
	WO-WO0201794	01/03/2002	Ellison, Carl			
	WO-WO02060121	08/01/2002	Grawrock, David W.			
	WO-WO03058412	07/17/2003	Glew, Andrew , et al.			
	WO-WO9524696	09/14/1995	Mooney, David M., et al.			
	WO-WO9812620	03/26/1998	Nishiuchi, Taiki , et al.			
	WO-WO9918511	04/15/1999	Edrich, David R.			
	WO-WO9965579	12/23/1999	Bond, Eugene T.			

## OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ECF		COULOURIS, GEORGE , et al., "Distributed Systems, Concepts and Designs", 2nd Edition, (1994), 422-424	
		CRAWFORD, JOHN , "Architecture of the Intel 80386", <u>Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86)</u> , (October 6, 1986), 155-160	
		FABRY, R.S. , "Capability-Based Addressing", <u>Fabry, R.S. "Capability-Based Addressing," Communications of the ACM, Vol. 17, No. 7, (July 1974), 403-412</u>	
		FRIEDER, GIDEON , "The Architecture And Operational Characteristics of the VMX Host Machine", <u>The Architecture And Operational Characteristics of the VMX Host Machine, IEEE, (1982), 9-16</u>	
		INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", <u>Intel Product Specification, Order Number 245359-001, (01/2000), 1-112</u>	
		INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", <u>Volume 2: IA-64 System Architecture, Order Number 245318-001,</u>	

EXAMINER

*ECF*

DATE CONSIDERED

18 MAR-05



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 09/540,613

Filing Date March 31, 2000

First Named Inventor Ellison, Carl

Group Art Unit Unknown

Examiner Name Unknown

Sheet 2 of 2

Attorney Docket No: 42P08628

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ECT		(01/2000), i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26	
		MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", CRC Press Series on Discrete Mathematics and its Applications, Boca Raton, FL, XP002165287, ISBN 0849385237, (Oct. 1996), 403-405, 506-515, 570	
		NANBA, S., et al., "VM/4: ACOS-4 Virtual Machine Architecture", VM/4: ACOS- 4 Virtual Machine Architecture, IEEE, (1985), 171-178	
		RSA SECURITY, "Hardware Authenticators", <a href="http://www.rsasecurity.com/node.asp?id=1158">www.rsasecurity.com/node.asp?id=1158</a> , 1-2	
		RSA SECURITY, "RSA SecurID Authenticators", <a href="http://www.rsasecurity.com/products/securid/datasheets/SID_DS_0103.pdf">www.rsasecurity.com/products/securid/datasheets/SID_DS_0103.pdf</a> , 1-2	
		RSA SECURITY, "Software Authenticators", <a href="http://www.rsasecurity.com/node.asp?id=1313">www.rsasecurity.com/node.asp?id=1313</a> , 1-2	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002138607; ISBN 0471117099, (Oct. 1995), 56-65	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithms, and Source Code C", Wiley, John & Sons, Inc., XP002111449; ISBN 0471117099, (Oct. 1995), 169-187	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithms, and Source Code in C", 2nd Edition; Wiley, John & Sons, Inc., XP002251738; ISBN 0471128457, (Nov. 1995), 28-33; 176-177; 216-217; 461-473; 518-522	

EXAMINER

ECT

DATE CONSIDERED

18 MAR 05

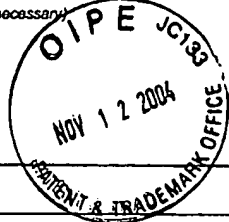
Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)



Sheet 1 of 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 551-0001  
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor	Ellison, Carl
Group Art Unit	Unknown
Examiner Name	Tran, Ellen

Attorney Docket No: 42P08628

## US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
--------------------	---------------------	------------------	---	-------	----------	----------------------------

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
ELP	DE-DE4217444 ✓	12/03/1992	Toyohisa, Imada, et al.			
	EP-EP0473913 ✓	03/11/1992	Farrell, Joel A.			
	EP-EP0961193 ✓	12/01/1999	Laczko, Sr., Frank L.			
	EP-EP1209563 ✓	05/29/2002	England, Paul, et al.	G06F	9/445	
	EP-EP1271277 ✓	01/02/2003	Behar, Yaachov			
	WO-WO0021238 ✓	04/13/2000	Drews, Paul C.			
	WO-WO0175564 ✓	10/11/2002	Herbert, Howard C., et al.			
	WO-WO02086684 ✓	10/31/2002	Proudlar, Graeme J.			
	WO-WO0217555 ✓	02/28/2002	Ford, Warwick			

## OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ELP	✓	BRANDS, STEFAN, "Restrictive Blinding of Secret-Key Certificates", SPRINGER-VERLAG XP002201306, (1995), Chapter 3	
	✓	CHIEN, ANDREW A., et al., "Safe and Protected Execution for the Morph/AMRM Reconfigurable Processor", 7th Annual IEEE Symposium, FCCM '99 Proceedings, XP010359180, ISBN 0-7695-0375-6, Los Alamitos, CA, (4/21/1999), 209-221	
	✓	COMPAQ COMPUTER CORPORATION, "Trusted Computing Platform Alliance (TCPA) Main Specification Version 1.1a", XP002272822, (1/25/2001), 1-321	
	✓	DAVIDA, GEORGE I., et al., "Defending Systems Against Viruses through Cryptographic Authentication", Proceedings of the Symposium on Security and Privacy, IEEE Comp. Soc. Press, ISBN 0-8186-1939-2, (May 1989),	
	✓	HP MOBILE SECURITY OVERVIEW, "HP Mobile Security Overview", (Sept. 2002), 1-10	
	✓	IBM, "Information Display Technique for a Terminate Stay Resident Program IBM Technical Disclosure Bulletin", TDB-ACC-No. NA9112156, Vol. 34, Issue 7A, (12/1/1991), 156-158	
	✓	IBM CORPORATION, "IBM ThinkPad T30 Notebooks", IBM Product Specification, located at <a href="http://www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf">www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf</a> , last visited June 23, 2004, (July 2, 2002), 1-6	
	✓	INTEL, "IA-32 Intel Architecture Software Developer's Manual", Volume 3: System Programming Guide, Intel Corporation - 2003, 13-1 through 13-24	

EXAMINER

DATE CONSIDERED

18 MAR '05

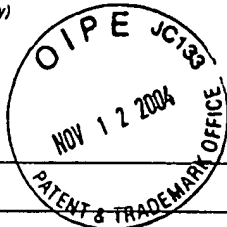
Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Sheet 2 of 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/US 626(10-01)  
Approved for use through 10/31/2002. OMB 051-0031  
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor	Ellison, Carl
Group Art Unit	Unknown
Examiner Name	Tran, Ellen

Attorney Docket No: 42P08628

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ECI	/	INTEL CORPORATION, "Intel 82802AB/82802AC Firmware Hub (FWH)", <u>Intel Product Datasheet</u> , Document Number 290658-004, (November 2000), 1-6, 17-28	
	/	KARGER, PAUL A., et al., "A VMM Security Kernel for the VAX Architecture", <u>Proceedings of the Symposium on Research in Security and Privacy</u> , XP010020182, ISBN 0-8186-2060-9, Boxborough, MA, (5/7/1990), 2-19	
	/	KASHIWAGI, KAZUHIKO, et al., "Design and Implementation of Dynamically Reconstructing System Software", <u>Software Engineering Conference</u> , Proceedings 1996 Asia-Pacific Seoul, South Korea 4-7 Dec. 1996, Los Alamitos, CA USA, IEEE Comput. Soc, US, ISBN 0-8186-7638-8, (1996),	
	/	LUKE, JAHN, et al., "Replacement Strategy for Aging Avionics Computers", <u>IEEE AES Systems Magazine</u> , XP002190614, (March 1999),	
	/	MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", <u>CRC Press LLC, USA</u> XP002201307, (1997), 475	
	/	RICHT, STEFAN, et al., "In-Circuit-Emulator Wird Echtzeitauglich", <u>Elektronik</u> , Franzis Verlag GMBH, Munchen, DE, Vol. 40, No. 16, XP000259620, (100-103), 8-6-1991	
	/	ROBIN, JOHN S., et al., "Analysis of the Pentium's Ability to Support a Secure Virtual Machine Monitor", <u>Proceedings of the 9th USENIX Security Symposium</u> , XP002247347, Denver, Colorado, (8/14/00), 1-17	
	/	SAEZ, SERGIO, et al., "A Hardware Scheduler for Complex Real-Time Systems", <u>Proceedings of the IEEE International Symposium on Industrial Electronics</u> , XP002190615, (July 1999), 43-48	
	/	SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithm, and Source Code in C", <u>Wiley, John &amp; Sons, Inc.</u> , XP002939871; ISBN 0471117099, (Oct. 1995), 47-52	
V	/	SHERWOOD, TIMOTHY, et al., "Patchable Instruction ROM Architecture", <u>Department of Computer Science and Engineering, University of California, San Diego, La Jolla, CA</u> , (Nov. 2001),	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet	1	of	1
-------	---	----	---

**Complete if Known**

Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor	Carl M Ellison
Art Unit	2134
Examiner Name	Ellen Tran
Attorney Docket Number	42390P8628

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date	
Considered	

18 MAR '05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003.

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450